



## RAW SEQUENCE LISTING ERROR REPORT

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Application Serial Number:

10/054,534

Source:

01P6

Date Processed by STIC:

2/15/2002

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- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

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Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name,  
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
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U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,  
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,  
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Revised 01/29/2002



OIPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/054,534

DATE: 02/15/2002  
TIME: 15:27:12

Input Set : A:\6763.USP1.TXT  
Output Set: N:\CRF3\02152002\J054534.raw

4 <110> APPLICANT: Abbott Laboratories  
 5 Mukerji, Pradip  
 6 Huang, Yung-Sheng  
 7 Das, Tapas  
 8 Thurmond, Jennifer M.  
 9 Pereira, Suzette L.  
 11 <120> TITLE OF INVENTION: DESATURASE GENES AND USES THEREOF  
 14 <130> FILE REFERENCE: 6763.US.P1  
 C--> 16 <140> CURRENT APPLICATION NUMBER: US/10/054,534  
 17 <141> CURRENT FILING DATE: 2002-01-22  
 19 <150> PRIOR APPLICATION NUMBER: US 09/769,863  
 20 <151> PRIOR FILING DATE: 2001-01-25  
 22 <160> NUMBER OF SEQ ID NOS: 55  
 24 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 26 <210> SEQ ID NO: 1  
 27 <211> LENGTH: 42  
 28 <212> TYPE: DNA  
 29 <213> ORGANISM: Artificial Sequence  
 31 <220> FEATURE:  
 32 <223> OTHER INFORMATION: Primer R0834  
 34 <221> NAME/KEY: misc\_feature  
 35 <222> LOCATION: (3)...(3)  
 36 <223> OTHER INFORMATION: b = g or c or t/u at position 3  
 38 <221> NAME/KEY: misc\_feature  
 39 <222> LOCATION: (6)...(6)  
 40 <223> OTHER INFORMATION: y = t/u or c at position 6  
 42 <221> NAME/KEY: misc\_feature  
 43 <222> LOCATION: (9)...(9)  
 44 <223> OTHER INFORMATION: y = t/u or c at position 9  
 46 <221> NAME/KEY: misc\_feature  
 47 <222> LOCATION: (12)...(12)  
 48 <223> OTHER INFORMATION: b = g or c or t/u at position 12  
 50 <221> NAME/KEY: misc\_difference  
 51 <222> LOCATION: (18)...(18)  
 52 <223> OTHER INFORMATION: r = g or a at position 18  
 54 <221> NAME/KEY: misc\_feature  
 55 <222> LOCATION: (24)...(24)  
 56 <223> OTHER INFORMATION: b = g or c or t/u at position 24  
 58 <221> NAME/KEY: misc\_feature  
 59 <222> LOCATION: (30)...(30)  
 60 <223> OTHER INFORMATION: b = g or c or t/u at position 30  
 62 <221> NAME/KEY: misc\_feature  
 63 <222> LOCATION: (33)...(33)

PP 2,4  
Does Not Comply  
Corrected Diskette Needed

"y" is at position 30

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Input Set : A:\6763.USP1.TXT  
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64 <223> OTHER INFORMATION: y = t/u or c at position 33  
 66 <221> NAME/KEY: misc\_feature  
 67 <222> LOCATION: (36)...(36)  
 68 <223> OTHER INFORMATION: y = t/u or c at position 36 *b is at position 36*  
 70 <221> NAME/KEY: misc\_feature  
 71 <222> LOCATION: (39)...(39)  
 72 <223> OTHER INFORMATION: h = a or c or t/u at position 39  
 74 <221> NAME/KEY: misc\_feature  
 75 <222> LOCATION: (42)...(42)  
 76 <223> OTHER INFORMATION: h = a or c or t/u at position 42  
 78 <400> SEQUENCE: 1  
 79 gtbta<sup>y</sup>gayg tbaccgat<sup>t</sup> ggtbaagc<sup>g</sup> caycc<sup>t</sup>gg<sup>g</sup> gh 42  
 81 <210> SEQ ID NO: 2  
 82 <211> LENGTH: 45  
 83 <212> TYPE: DNA  
 84 <213> ORGANISM: Artificial Sequence  
 86 <220> FEATURE:  
 87 <223> OTHER INFORMATION: Forward Primer R0835  
 89 <221> NAME/KEY: misc\_feature  
 90 <222> LOCATION: (3)...(3)  
 91 <223> OTHER INFORMATION: h = a or c or t/u at position 3  
 93 <221> NAME/KEY: misc\_feature  
 94 <222> LOCATION: (6)...(6)  
 95 <223> OTHER INFORMATION: y = t/u or c at position 6  
 97 <221> NAME/KEY: misc\_feature  
 98 <222> LOCATION: (12)...(12)  
 99 <223> OTHER INFORMATION: y = t/u or c at position 12  
 101 <221> NAME/KEY: misc\_feature  
 102 <222> LOCATION: (27)...(27)  
 103 <223> OTHER INFORMATION: y = t/u or c at position 27  
 105 <221> NAME/KEY: misc\_feature  
 106 <222> LOCATION: (33)...(33)  
 107 <223> OTHER INFORMATION: y = tu or c at position 33  
 109 <221> NAME/KEY: misc\_feature  
 110 <222> LOCATION: (39)...(39)  
 111 <223> OTHER INFORMATION: b = g or c or t/u at position 39  
 113 <221> NAME/KEY: misc\_feature  
 114 <222> LOCATION: (41)...(41)  
 115 <223> OTHER INFORMATION: y = t/u or c at position 41  
 117 <221> NAME/KEY: misc\_feature  
 118 <222> LOCATION: (45)...(45)  
 119 <223> OTHER INFORMATION: y = t/u or c at position 45  
 121 <400> SEQUENCE: 2  
 122 gghgc<sup>y</sup>tccg c<sup>y</sup>aactggtg gaagcaycag cayaacgtbc aycay 45  
 124 <210> SEQ ID NO: 3  
 125 <211> LENGTH: 45  
 126 <212> TYPE: DNA  
 127 <213> ORGANISM: Artificial Sequence  
 129 <220> FEATURE:

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Input Set : A:\6763.USP1.TXT  
Output Set: N:\CRF3\02152002\J054534.raw

130 <223> OTHER INFORMATION: Reverse Primer R0836  
132 <221> NAME/KEY: misc\_feature  
133 <222> LOCATION: (1)...(1)  
134 <223> OTHER INFORMATION: r = g or a at position 1  
136 <221> NAME/KEY: misc\_feature  
137 <222> LOCATION: (4)...(4)  
138 <223> OTHER INFORMATION: r = g or a at position 4  
140 <221> NAME/KEY: misc\_feature  
141 <222> LOCATION: (7)...(7)  
142 <223> OTHER INFORMATION: v = a or g or c at position 7  
144 <221> NAME/KEY: misc\_feature  
145 <222> LOCATION: (13)...(13)  
146 <223> OTHER INFORMATION: r = g or a at position 13  
148 <221> NAME/KEY: misc\_feature  
149 <222> LOCATION: (19)...(19)  
150 <223> OTHER INFORMATION: r = g or a at position 19  
152 <221> NAME/KEY: misc\_feature  
153 <222> LOCATION: (34)...(34)  
154 <223> OTHER INFORMATION: r = g or a at position 34  
156 <221> NAME/KEY: misc\_feature  
157 <222> LOCATION: (40)...(40)  
158 <223> OTHER INFORMATION: r = g or a at position 40  
160 <221> NAME/KEY: misc\_feature  
161 <222> LOCATION: (43)...(43)  
162 <223> OTHER INFORMATION: d = a or g or t/u at position 43  
164 <400> SEQUENCE: 3  
165 f'tgrtgvacg ttrtgcgtgt' gcttccacca gttr'cggar' gcdcc 45  
167 <210> SEQ ID NO: 4  
168 <211> LENGTH: 36  
169 <212> TYPE: DNA  
170 <213> ORGANISM: Artificial Sequence  
172 <220> FEATURE:  
173 <223> OTHER INFORMATION: Reverse Primer R0838  
175 <221> NAME/KEY: misc\_feature  
176 <222> LOCATION: (6)...(6)  
177 <223> OTHER INFORMATION: r = g or a at position 6  
179 <221> NAME/KEY: misc\_feature  
180 <222> LOCATION: (12)...(12)  
181 <223> OTHER INFORMATION: r = g or a at position 12  
183 <221> NAME/KEY: misc\_feature  
184 <222> LOCATION: (15)...(15)  
185 <223> OTHER INFORMATION: y = t/u or c at position 15  
187 <221> NAME/KEY: misc\_feature  
188 <222> LOCATION: (18)...(18)  
189 <223> OTHER INFORMATION: r = g or a at position 18  
191 <221> NAME/KEY: misc\_feature  
192 <222> LOCATION: (21)...(21)  
193 <223> OTHER INFORMATION: r = g or a at position 21  
195 <221> NAME/KEY: misc\_feature

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Input Set : A:\6763.USP1.TXT  
Output Set: N:\CRF3\02152002\J054534.raw

196 <222> LOCATION: (24)...(24)  
 197 <223> OTHER INFORMATION: s = g or c at position 24  
 199 <221> NAME/KEY: misc\_feature  
 200 <222> LOCATION: (27)...(27)  
 201 <223> OTHER INFORMATION: r = g or a at position 27  
 203 <221> NAME/KEY: misc\_feature  
 204 <222> LOCATION: (30)...(30)  
 205 <223> OTHER INFORMATION: v = a or g or c at position 30  
 207 <400> SEQUENCE: 4  
 208 ttgatrgtct arctygrgt rgasaaarggv tggtac 36  
 210 <210> SEQ ID NO: 5  
 211 <211> LENGTH: 24  
 212 <212> TYPE: DNA  
 213 <213> ORGANISM: Artificial Sequence  
 215 <220> FEATURE:  
 216 <223> OTHER INFORMATION: Primer R0753  
 218 <221> NAME/KEY: misc\_feature  
 219 <222> LOCATION: (10)...(10)  
 220 <223> OTHER INFORMATION: n = a or g or c or t/u, unknown, or other at  
 221 position 10  
 223 <221> NAME/KEY: misc\_feature  
 224 <222> LOCATION: (13)...(13)  
 225 <223> OTHER INFORMATION: r = g or a at position 13  
 227 <221> NAME/KEY: misc\_feature  
 228 <222> LOCATION: (16)...(16)  
 229 <223> OTHER INFORMATION: n = a or g or c or t/u, unknown, or other at  
 230 position 16  
 232 <221> NAME/KEY: misc\_feature  
 233 <222> LOCATION: (18)...(19)  
 234 <223> OTHER INFORMATION: r = g or a at positions 18-19  
 236 <221> NAME/KEY: misc\_feature  
 237 <222> LOCATION: (22)...(22)  
 238 <223> OTHER INFORMATION: r = g or a at position 22  
 240 <400> SEQUENCE: 5, ,  
 241 catcatcatn ggraanarrt grtg 24  
 243 <210> SEQ ID NO: 6  
 244 <211> LENGTH: 30  
 245 <212> TYPE: DNA  
 246 <213> ORGANISM: Artificial Sequence  
 248 <220> FEATURE:  
 249 <223> OTHER INFORMATION: Primer R0754  
 251 <221> NAME/KEY: misc\_feature  
 252 <222> LOCATION: (15)...(15)  
 253 <223> OTHER INFORMATION: y = t/u or c at position 15  
 255 <221> NAME/KEY: misc\_feature  
 256 <222> LOCATION: (18)...(18)  
 257 <223> OTHER INFORMATION: y = t/u or c at position 19 18  
 259 <221> NAME/KEY: misc\_feature  
 260 <222> LOCATION: (21)...(21)

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261 <223> OTHER INFORMATION: n = a or g or c or t/u, unknown, or other at  
262 position 21  
264 <221> NAME/KEY: misc\_feature  
265 <222> LOCATION: (24)...(24)  
266 <223> OTHER INFORMATION: y = t/u or c at position 24  
268 <221> NAME/KEY: misc\_feature  
269 <222> LOCATION: (27)...(27)  
270 <223> OTHER INFORMATION: n = a or g or c or t/u, unknown, or other at  
271 position 27  
273 <221> NAME/KEY: misc\_feature  
274 <222> LOCATION: (30)...(30)  
275 <223> OTHER INFORMATION: y = t/u or c at position 30  
277 <400> SEQUENCE: 6

W--> 278 ctactactac tacaycayac ntayacnaay 30

280 <210> SEQ ID NO: 7  
281 <211> LENGTH: 29  
282 <212> TYPE: DNA  
283 <213> ORGANISM: Artificial Sequence  
285 <220> FEATURE:

286 <223> OTHER INFORMATION: Primer R0923

288 <400> SEQUENCE: 7

289 cggtgtcagtg gtggaaagaac aaggcacaac

29

291 <210> SEQ ID NO: 8

292 <211> LENGTH: 30

293 <212> TYPE: DNA

294 <213> ORGANISM: Artificial Sequence

296 <220> FEATURE:

297 <223> OTHER INFORMATION: Primer R0899

299 <400> SEQUENCE: 8

300 agcggataac aatttcacac aggaaacagc

30

302 <210> SEQ ID NO: 9

303 <211> LENGTH: 30

304 <212> TYPE: DNA

305 <213> ORGANISM: Artificial Sequence

307 <220> FEATURE:

308 <223> OTHER INFORMATION: Primer R0939

310 <400> SEQUENCE: 9

311 cgttagtactg ctcgaggaggc ttgagcgccg

30

313 <210> SEQ ID NO: 10

314 <211> LENGTH: 31

315 <212> TYPE: DNA

316 <213> ORGANISM: Artificial Sequence

318 <220> FEATURE:

319 <223> OTHER INFORMATION: Primer R0898

321 <400> SEQUENCE: 10

322 cccagtcacg acgttgtaaa acgacggcca g

31

324 <210> SEQ ID NO: 11

325 <211> LENGTH: 45

326 <212> TYPE: DNA

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/054,534

DATE: 02/15/2002

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Input Set : A:\6763.USP1.TXT

Output Set: N:\CRF3\02152002\J054534.raw

L:16 M:270 C: Current Application Number differs, Replaced Current Application Number

L:241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5

L:278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6